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OFFICIAL JOURNAL
OF THE
PLANT VARIETY
PROTECTION OFFICE



U.S. DEPARTMENT OF AGRICULTURE / AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION

PREFACE

The Plant Variety Protection Act, (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Grain Division, AMS
U.S. Department of Agriculture
6525 Belcrest Road
Hyattsville, Maryland 20782

This issue covers the period from January 1 through March 31, 1974.

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APPLICATIONS RECEIVED
FROM JANUARY 1, 1974, TO MARCH 31, 1974

Application No.	Date	Name of applicant(s)	Name of kind	Name of variety (or identification)
**7400046	1/2/74	Illinois A.E.S.	red clover	Redland (3)
7400047	1/4/74	(Permission to publish not rec'd)	bean	White Seeded Provider
7400048	1/2/74	Goldsmith Seeds, Inc.	marigold	Aztec Orange
7400049	"	"	marigold	Aztec Gold
7400050	"	"	marigold	Aztec Yellow
7400051	1/14/74	(Permission to publish not rec'd)	cauliflower	Snowflower
7400052	"	"	cauliflower	Olympus
7400053	1/28/74	Morrison Bros. Seed Co.	pea	Leo
7400054	"	Asgrow Seed Co.	pea	Juneau
**7400055	"	Loft's Pedigreed Seed Co.	perennial ryegrass	Syn D (2)
**7400056	"	"	perennial ryegrass	Syn C (2)
**7400057	"	"	perennial ryegrass	Syn F (2)
**7400058	2/1/74	Coker's Pedigreed Seed Co.	soybean	Coker 338 (3)
7400059	2/6/74	(Permission to publish not rec'd)	bean	Petite
7400060	"	"	bean	Amigo
7400061	"	"	bean	Tenderblue
7400062	2/7/74	"	soybean	Tracy
7400063	2/11/74	"	oat	Noble
7400064	"	"	oat	Stout
7400065	2/19/74	"	alfalfa	Honeye
7400066	2/21/74	"	Kentucky bluegrass	NJE-142
7400067	2/25/74	"	triticale	6TA205
7400068	3/1/74	"	wheat	Bounty-309
7400069	3/5/74	Keystone Seed Co.	bean	8126
7400070	2/25/74	(Permission to publish not rec'd)	oat	J.F.O. 3 Tee
7400071	3/11/74	Moran Seeds, Inc.	lettuce	Cabrillo
7400072	"	Denholm Seeds	marigold	Honeycomb
7400073	"	"	marigold	Stardust
7400074	3/12/74	(Permission to publish not rec'd)	Kentucky bluegrass	Ram 1
7400075	3/13/74	"	"	Tsuri Mai

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7400076	3/13/74	(Permission to publish not rec'd)	rice	Ampe
7400077	"	" " "	rice	Kokubelle
**7400078	3/18/74	Ohio Ag. Res. and Development Ctr.	wheat	TN1542 (3)
7400079	3/26/74	(Permission to publish not rec'd)	soybean	Agripro 27 (Ex 7710)
7400080	"	" " "	soybean	Agripro 25 (Ex 50525)
7400081	"	" " "	soybean	Pontiac (Ex 5117)

CORRECTIONS

**7400023	10/1/73	McNair Seed Co.	cotton	McNair 612 (3)
7400013	9/5/73	Moran Seed Co.	lettuce	Calmaria
7400014	9/7/74	" " "	lettuce	Cal K 60
**72144	6/14/72	Funk Seeds International	wheat	W-332 (3)
73103	6/28/73	Delta and Pine Land Co.	cotton	Deltapine 61
**73085	4/16/73	Northrup, King & Co.	soybean	S 1474
**7400009	8/23/73	" " " "	durum wheat	Produra (3)
73054	1/30/73	Agripro, Inc.	soybean	Mitchell
**72071	1/5/72	ACCO Seed	cotton	Paymaster 111-A (3)
**72072	"	" " "	cotton	Paymaster 101-B (3)
**73013	10/10/72	" " "	cotton	Paymaster Dwarf (3)

AMENDMENTS

**7400041	12/21/73	National Seed Development Organ- ization Ltd.	ryegrass	Sabel (1)
**7400042	"	National Seed Development Organ- ization Ltd.	ryegrass	PXB 69/71 (1)
7400026	10/25/73	Ferry-Morse Seed Co.	soybean	McKoy 1100

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CERTIFICATES ISSUED

<u>Certificate No.</u>	<u>Issue date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
*7200084	Jan. 15, 1974	Purdue Ag. Exp. Station	wheat	Arthur 71
Novelty: 'Arthur 71' is the first released soft red winter wheat with "Ribeiro" resistance to Hessian fly. "Ribeiro" confers a high degree of resistance to race D at 70° F. and complete susceptibility at 80° F. and above. 'Arthur 71' is also the first variety with Arthur plant type and leaf rust resistance from "Transfer."				
*7300049	Jan. 15, 1974	Purdue Ag. Exp. Station	wheat	Abe
Novelty: 'Abe' is most similar to 'Arthur' and 'Arthur 71.' 'Abe' differs from 'Arthur' and 'Arthur 71' in having longer awnlets and an erect flag leaf versus a horizontal flag leaf. 'Abe' has blue-green foliage, 'Arthur' has green foliage, and 'Arthur 71' has light green foliage.				
7100037	Jan. 18, 1974	Teweles Seed Co.	soybean	XK-505
Novelty: 'XK-505' and 'Calland' have similar plant type, pubescence color, flower color, and mature plant characteristics. However, 'XK-505' matures 10 days earlier and is in maturity Group II; whereas, 'Calland' is in maturity Group III.				
7100074	Jan. 18, 1974	Teweles Seed Co.	soybean	XK-585
Novelty: 'XK-535' is most similar to 'Wayne.' 'XK-535' matures 2 days earlier; its seed coat is harder; it has more extensive top vining; and its seed coat luster is not as dull.				
7200059	Jan. 18, 1974	Rogers Delinted Cottonseed Company	cotton	Rogers GL-6
Novelty: 'Rogers GL-6' most closely resembles 'Lankart Selection 57' except 'Rogers GL-6' is glandless, 15 percent taller, less determinate, more tolerant of angular leaf spot, has better seedling vigor, and the kernels are more tightly enclosed by the seed coat. Compared with 'Watson GL-16' a similar glandless cotton, 'Rogers GL-6' is more compact, fruits earlier, has larger flowers, less yellow pigments, fruits closer to the main stem, has larger leaves, larger and more rounded seeds, and stronger and longer fibers.				

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*7100021	Jan. 18, 1974	Coker's Pedigreed Seed Co.	cotton	Coker 310
<p><u>Novelty:</u> 'Coker 310' most closely resembles 'Coker 201' except 'Coker 310' has a 0.06 inch longer fiber, 3.5 PSI greater yarn strength, 6 cm. shorter plant height, and more resistance to lodging. 'Coker 310' flowers 1-3 days earlier, matures 3-7 days earlier, has shorter internodes and is more determinate.</p>				
7100060	Jan. 24, 1974	Teweles Seed Co.	soybean	XK-515
<p><u>Novelty:</u> 'XK-515' most closely resembles 'Wayne.' However, 'XK-515' is in maturity Group III and its seeds have a black hilum color; whereas, 'Wayne' is in maturity Group II and its seeds have a brown hilum color.</p>				
7100062	Jan. 24, 1974	Teweles Seed Co.	soybean	XK-535
<p><u>Novelty:</u> 'XK-535' is most similar to 'Chippewa 64' and 'Cayuga.' 'XK-535' is in maturity Group II; whereas, 'Chippewa 64' and 'Cayuga' are in maturity Group I. Seed coat color of 'XK-535' is a shiny yellow; whereas, for 'Cayuga' it is black.</p>				
7200016	Jan. 24, 1974	Delta & Pine Land Co.	cotton	Deltapine 25
<p><u>Novelty:</u> 'Deltapine 25' most closely resembles 'Deltapine 16' except 'Deltapine 25' has 2.5 percent higher lint percent, 0.71 grams less seed cotton per boll, 0.3 grams smaller seeds, 0.02 inches shorter fiber, 2 percent higher length uniformity, 1/64 inch shorter staple, 0.5 grams/text weaker T₁ fiber strength, and 0.2 higher micronaire. 'Deltapine 25' is more resistant to lodging, has a more storm resistance boll and has a stiffer stalk.</p>				
*7400002	Jan. 24, 1974	Soybean Research Foundation	soybean	SRF 200
<p><u>Novelty:</u> 'SRF 200' is very similar to 'Amsoy 71' except that in 'SRF 200' (1) the leaves are lanceolate in shape, (2) the seed is smaller and (3) a larger percentage of its pods contain 4 seeds. In 'SRF 200' an occasional 5-seeded pod may be found; whereas, 5-seeded pods in 'Amsoy 71' are almost non-existent.</p>				

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**7400004	Jan. 24, 1974	Soybean Research Foundation	soybean	SRF 350
Novelty: 'SRF 350' more closely resembles 'SRF 307 B' than any other previously released variety. 'SRF 350' matures 4 days later; its hilum color is black instead of brown and its seed size is smaller. It even more closely resembles 'SRF 425' a sister line released simultaneously with 'SRF 350.' 'SRF 350' matures 6 days earlier is 5 cm. taller, and has smaller seeds.				
**7100026	Feb. 26, 1974	Lockett Seed Co.	cotton	Lockett BXL
Novelty: 'Lockett BXL' is most similar to its one parent, 'Lockett 4789-A' except 'Lockett BXL' has a superior reaction to seedling disease escape tests, is resistant to the fusarium wilt-nematode complex, and is tolerant to bacterial blight race 1.				
**7100075	Feb. 26, 1974	McNair Seed Co.	soybean	McNair 600
Novelty: 'McNair 600' is most similar to 'Lee.' 'McNair 600' averages 9 cm taller, the foliage is a lighter shade of green, and the plants are resistant to <u>Meloidogyne arenaria</u> ; whereas, 'Lee' plants are susceptible to this nematode.				
**7200033	Feb. 26, 1974	North Carolina Agric. Experiment Station	wheat	Blueboy II
Novelty: 'Blueboy II' is most similar to 'Blueboy.' 'Blueboy II' has leaf rust resistance from 'Agent,' giving it resistance to additional races of leaf rust. 'Blueboy II' is less resistant to powdery mildew than 'Blueboy.'				
7300020	Feb. 26, 1973	Gallatin Valley Seed Co.	pea	Trident

Novelty: 'Trident' is a dark-seeded variety with high potential for quadruple podding. Unlike other multipodded varieties of its maturity, 'Trident' is resistant to pea enation mosaic and has foliage tolerance to powdery mildew.

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7300050	Feb. 26, 1974	DeKalb AgResearch, Inc.	wheat	R36
Novelty: 'R36' is novel in its ability to restore male fertility in F ₁ hybrids having male sterile <u>Triticum timopheevi</u> cytoplasm. 'R36' most closely resembles 'Itana' and is similar to 'Cheyenne' and 'Winalta' but can be distinguished from these varieties by its fertility restoration and brown pubescent glumes.				
**7300085	Feb. 26, 1974	Northrup, King & Co.	soybean	S 1474
Novelty: 'S 1474' is most similar to 'Corsoy' in seed size, seed quality, seedling vigor, leaf shape, plant habit, and resistance to lodging. It is similar to 'Hark' in seed protein type and protein content. The seeds of 'S 1474' contain 1.3 percent more protein than 'Corsoy,' the leaves are darker green, and the plants are 5 cm taller.				
**7300096	Feb. 26, 1974	Purdue University A.E.S.	wheat	Oasis
Novelty: 'Oasis' is most similar to 'Arthur 71.' 'Oasis' has resistance to <u>Septoria tritici</u> from 'Bulgaria 88' whereas, 'Arthur 71' lacks this resistance.				
**7200038	Feb. 26, 1974	McNair Seed Company	wheat	McNair 701
Novelty: 'McNair 701' is the earliest soft red winter wheat with semidwarf habit and brown chaff. It also has large kernel size (40 gm/MK) and resistance to prevalent races of hessian fly in Georgia.				
7100036	Feb. 28, 1974	Keystone Seed Co.	bean	Miami
Novelty: 'Miami' most closely resembles 'Harvester' but 'Miami' is 3 to 4 days earlier in maturity and has a smaller diameter pod with higher production at 80 percent 4-sieve and under than does 'Harvester.'				
**7200099	Feb. 28, 1974	Soybean Research Foundation	soybean	SRF 307B
Novelty: 'SRF 307B' and 'SRF 300' are the only two varieties in maturity Group III having lanceolate shaped leaves. 'SRF 307B' has brown hilum seeds; whereas, 'SRF 300' has black hilum seeds. Both varieties are most similar to 'Wayne.'				

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7100053	March 14, 1974	W. Atlee Burpee Company	aster	Ideal Dark Blue
Novelty: 'Ideal Dark Blue' combines the upright comet type growth habit with a flower type most similar to 'American Beauty.' Ray florets slightly quilled, flattened at maturity. Flowers - dark blue colored.				
7100054	March 14, 1974	W. Atlee Burpee Company	aster	Ideal Rose
Novelty: 'Ideal Rose' combines the upright comet type growth habit with a flower type most similar to 'American Beauty.' Ray florets slightly quilled, flattened at maturity. Flowers - rose colored.				
**7100023	March 19, 1974	DeKalb AgResearch, Inc.	wheat	Bonanza
Novelty: 'Bonanza' most closely resembles 'Bounty 208.' 'Bonanza' has 1) oblique to rounded shoulders, 2) narrow mid-deep crease; whereas, 'Bounty 208' has 1) rounded to elevated shoulders, 2) beaks 3 to 8 mm long, and 3) mid-wide shallow crease.				
**7300097	March 22, 1974,	Purdue A.E.S.	soybean	Wells
Novelty: 'Wells' is most similar to 'Beeson.' However, 'Wells' matures 5 days earlier and is susceptible to powdery mildew, whereas, 'Beeson' is resistant to powdery mildew.				
**7100048	March 28, 1974	Dunn Seed Farms	cotton	Dunn 118
Novelty: 'Dunn 118' most closely resembles 'Dunn 56-C' but differs in being approximately one week earlier in maturity, has a 3,000 PSI higher fiber strength (90,000 vs 87,000) a 0.3 higher micronaire (4.4 bs 4.1), has more tolerance to verticillium wilt, and has less pin trash.				
**7200098	March 28, 1974	Dunn Seed Farms	cotton	Dunn 119
Novelty: 'Dunn 119' is most similar to 'Dunn 118' except it matures approximately 3 days earlier, bolls are 2mm larger in diameter, fiber is 4,000 PSI stronger (94,000 vs 90,000), has a 0.4 higher micronaire (4.8 vs 4.4) and is slightly less tolerant to verticillium wilt.				

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7100002	March 28, 1974	W. Atlee Burpee Co.	China aster	Totem Pole White
<u>Novelty:</u>	Combination of giant comet type plant and California giant flower head.			Flower head - white.
7100003	March 28, 1974	W. Atlee Burpee Co.	China aster	Totem Pole Rose-Pink
<u>Novelty:</u>	Combination of giant comet type plant and California giant flower head.			Flower head - Rose-Pink
7100004	March 28, 1974	W. Atlee Burpee Co.	China aster	Totem Pole Scarlet-Cerise
<u>Novelty:</u>	Combination of giant comet type plant and California Giant flower head.			Flower head - Scarlet-Cerise
7100005	March 28, 1974	W. Atlee Burpee Co.	China aster	Totem Pole Azure Blue
<u>Novelty:</u>	Combination of giant comet type plant and California giant flower head. azure blue.			Flower head -
7100006	March 28, 1974	W. Atlee Burpee Co.	China aster	Totem Pole Dark Blue
<u>Novelty:</u>	Combination of giant comet type plant and California giant flower head. dark blue.			Flower color -
7100077	March 28, 1974	W. Atlee Burpee Co.	China aster	Burpeeana Extra Early Rose
<u>Novelty:</u>	Typical of the Burpeeana Extra Early type but differs in its rich rose color.			

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FIRST CLASS

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7100078	March 28, 1974	W. Atlee Burpee Co.	China aster
<u>Name of variety</u>			
Burpeeana Extra Early Scarlet Morn			

Novelty: Typical of the Burpeeana Extra Early type but differs in its rich crimson-scarlet flower color.